

ABSTRACT

The invention relates to a device for determining the path of an in particular metallic target, with at least two detection devices so positioned along a path to be monitored that the sensitivity curves of immediately adjacent detection devices at least partly overlap, the detection devices in each case having at least one inductance coil and at least one oscillator and as a function of a damping of the oscillator by the target supply a distance signal, with at least one converting device operatively connected to the detection devices for converting the dampings detected by the detection devices into analog signals, particularly current and/or voltage signals, and with at least one evaluating device operatively connected to the converting device or devices for determining and reading out a local position of the target from the analog signals going back to the detection devices.